



## INFORMATION DISCLOSURE STATEMENT

Applicant : Sallberg et al.  
App. No : 10/608,541  
Filed : June 27, 2003  
For : GLYCOSYLATED  
LIGAND/RECEPTOR SPECIFICITY  
EXCHANGERS SPECIFIC FOR  
BACTERIAL ADHESION  
RECEPTORS (as amended)  
Examiner : Jeffery J. Stucker  
Art Unit : 1648

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is an Information Disclosure Statement by Applicant (PTO/SB/08 equivalent) listing 23 references to be considered by the Examiner. Also enclosed are 20 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

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Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: April 13, 2005

By: 

Eric S. Furman, Ph.D.  
Registration No. 45,664  
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APR 20 2005

(Multiple sheets used when necessary)

SHEET 1 OF 2

Application No.	10/608,541
Filing Date	June 27, 2003
First Named Inventor	Sallberg, et al.
Art Unit	1648
Examiner	Jeffrey J. Stucker
Attorney Docket No.	TRIPEP.007CP3C1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,714,332	02-03-1998	Lussow et al.	
	2	5,922,548	07-13-1999	Lussow et al.	
	3	5,939,273	08-17-1999	Lussow et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	4	WO 98/43677A1	10-08-1998	INSTITUT PASTEUR		
	5	WO 01/82546A1	11-01-2001	INTERDIGITAL TECHNOLOGY CORPORATION		
	6	JP 9020798 (English Abstract)	01-21-1997	ASAHI CHEMICAL IND.		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	7	Chui et al., "Genetic remodeling of protein glycosylation in vivo induces autoimmune disease," PNAS, 98(3):1142-1147 (2001).	
	8	Ennas et al., "The Human ALL-1/Mll/HRX Antigen is Predominantly Localized in the Nucleus of Resting and Proliferating Peripheral Blood Mononuclear Cells" Cancer Research 57, 2035-2041, May 15, 1997	
	9	Galili et al., "Evolutionary relationship between the natural anti-Gal antibody and the Gal $\alpha$ 1 $\rightarrow$ 3Gal epitope in primates" Proc. Natl. Acad. Sci. Vol. 84, pp. 1369-1373, March 1987 Immunology	
	10	Galili et al., "Human natural anti- $\alpha$ -galactosyl IgG: the specific recognition of $\alpha$ (1 $\rightarrow$ 3)-linked galactose residues, J. Exp. Med., Vol. 162, Aug. 1985, pp. 573-582	
	11	Galili et al., "One percent of human circulating B Lymphocytes are capable of producing the natural anti-gal antibody" Blood, Vol. 82, No. 8, October 15, 1993 pp. 2485-2493	
	12	Leibiger et al. (1998) Structural characterization of the oligosaccharides of a human monoclonal anti-lipopolysaccharide immunoglobulin M. Glycobiology. 8(5):497-507.	
	13	Li et al., "Adenovirus-mediated expression of pig $\alpha$ (1,3) galactosyltransferase reconstructs Gal $\alpha$ (1, 3) Gal epitope on the surface of human tumor cells," Cell Research, 11(2):116-124 (2001), <a href="http://www.cell-research.com/20012/01-2-xl.html">http://www.cell-research.com/20012/01-2-xl.html</a> .	
	14	Lin et al. (1998) Differential recognition by proteins of $\alpha$ -galactosyl residues on endothelial cell surfaces. Glycobiology. 8(5):433-443.	

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

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Attorney Docket No.	TRIPEP.007CP3C1

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SHEET 2 OF 2

## NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	15	Mizukami et al. (1988) Binding region for human immunodeficiency virus (HIV) and epitopes for HIV-blocking monoclonal antibodies of the CD4 molecule defined by site-directed mutagenesis. Proc. Natl. Acad. Sci. 85:9273-9277.	
	16	Ramberg, "The Nutrition Science Site: Glyconutritionals," <a href="http://glycoscience.com/glycoscience/document_viewer.wm?&amp;ID=719">http://glycoscience.com/glycoscience/document_viewer.wm?&amp;ID=719</a> (2000).	
	17	Randell et al., "High-throughput Chemistry toward Complex Carbohydrates and Carbohydrate-like Compoundsa," <a href="http://www.bentham.org/sample-issues/cchts5-2/arya/arya-ms.htm">http://www.bentham.org/sample-issues/cchts5-2/arya/arya-ms.htm</a> .	
	18	Rudd et al., "Glycosylation and the Immune System," Science, 291:2370-2376 (2001) <a href="http://sciencemag.org">http://sciencemag.org</a> .	
	19	Rudd et al., "The role of glycosylation in the immune system and inflammation," <i>Research Groups-Dept. of Biochemistry, Oxford</i> , <a href="http://www.bioch.ox.ac.uk/rgroups/rgroupsnew.asp?Group_ID=40">http://www.bioch.ox.ac.uk/rgroups/rgroupsnew.asp?Group_ID=40</a> .	
	20	Sears et al., "Toward Automated Synthesis of Oligosaccharides and Glycoproteins," Science, Vol. 291, pp. 2344-2350, 03/23/01, <a href="http://www.sciencemag.org">http://www.sciencemag.org</a> .	
	21	Signals Magazine: Buzz – Glycosylation Matters 06/06/02, <a href="http://www.signalsmag.com/signalsmag.nsf/0/A08BFCD79126B34F88256BCE0011B41A">http://www.signalsmag.com/signalsmag.nsf/0/A08BFCD79126B34F88256BCE0011B41A</a> .	
	22	The Columbia Encyclopedia, Sixth Edition, Copyright 2002, Columbia University Press, <a href="http://www.bartleby.com/65/gl/glycopro.html">http://www.bartleby.com/65/gl/glycopro.html</a> .	
	23	Tramontano et al., "The Making of the Minibody: An Engineered Beta-Proten for the Display of Conformationally Constrained Peptides," <i>Journal of Molecular Recognition</i> , 7(1):9-24 (1994)	

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